OIPE

RAW SEQUENCE LISTING DATE: 10/26/2001 PATENT APPLICATION: US/09/829,631A TIME: 13:23:11

Input Set : A:\NIH047.1CP1C1.TXT

Output Set: N:\CRF3\10262001\1829631A.raw



	Output Set: N:\CRF3\10262001\1829631A.raw	
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6		
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75 <213> ORGANISM: Artificial Sequence

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108 ctagccagga accecacec catettatgg cateceggt ggeectatte cateceagge												
109 ctctcatcca gccccaaget aactttcatt gactcytcac atcagtaccc ctccccaaa												
110 ttettaceeg agtaeteeag gtggeeetge gtaggaggea eeeetacaac teeteeega												
111 ctcttgaaat cgctgctcga tgacctaaga accccgtttt gccaatacta ctctaaggt												
112 cagetteett teteeteett tgeetteace etgtaeetge agteaceata teeegtette												
113 gtcctcaacc cagtcccc atg gtt cca gag cca ggc cct gtc aac agt agc	471											
114 Met Val Pro Glu Pro Gly Pro Val Asn Ser Ser												
110	519											
117 acc cca gcc tgg ggt ccc ggg cca ccg cct gct ccg ggg ggc agc ggc 118 Thr Pro Ala Trp Gly Pro Gly Pro Pro Pro Ala Pro Gly Gly Ser Gly	213											
119 15 20 25												
121 tgg gtg gct gcc gcg ctg tgc gtg gtc atc gtg ctg aca gcc gcc	567											
122 Trp Val Ala Ala Ala Leu Cys Val Val Ile Val Leu Thr Ala Ala Ala	307											
123 30 35 40												
125 aat tog otg otg ato gtg otc att tgo acg cag occ gcc gtg ogc aac	615											
126 Asn Ser Leu Leu Ile Val Leu Ile Cys Thr Gln Pro Ala Val Arg Asn	013											
127 45 50 55												
129 acq tot aac tto ttt otg gtg tog oto tto acg tog gao ttg atg gtg	663											
130 Thr Ser Asn Phe Phe Leu Val Ser Leu Phe Thr Ser Asp Leu Met Val												
131 60 65 70 75												
133 ggg ttg gtg gtg atg ccc cca gcc atg ctg aac gcg ctg tat ggg cgc	711											
134 Gly Leu Val Val Met Pro Pro Ala Met Leu Asn Ala Leu Tyr Gly Arg												
135 80 85 90												
137 tgg gtg tta gct cga ggc ctc tgt ctg ctt tgg act gcc ttc gac gtg	759											
138 Trp Val Leu Ala Arg Gly Leu Cys Leu Leu Trp Thr Ala Phe Asp Val												
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/829,631A

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Input Set : A:\NIH047.1CP1C1.TXT

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	-		-			ctc Leu	-	_	-	-		_	_	-	_		855
149 150		ccg				geg Ala 145	ctc										903
153	ctt	_				ccc Pro		_	_		tgg					aaa	951
157					gcc	cct Pro				cgc					ctg		999
161				gtg		tcc Ser			acc					tcg			1047
165 166		Cys	ttc			tgc Cys	Arg	atc				Ala	cgc				1095
170						ctc Leu 225											1143
173	acc	_	_			agg Arg			_		ggg	_			-	gac	1191
177					gcc	acc Thr				agg					gcc		1239
181	_		_	ggc		ctg Leu	-		atg			_		tgg	-		1287
185			gtg			ata Ile		cag					tgc				1335
189 190		ctc				ctc Leu 305	aca					tgt					1383
193	aac					ccg Pro					gac					ctg	1431
197					cat	gcg Ala				CCC					cag		1479
201				ctc		gtg Val			tca					acc			1527
205	-	_	cag	_	-	ctc Leu	_	ctg		_	_		aac		_		1575

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DATE: 10/26/2001 PATENT APPLICATION: US/09/829,631A TIME: 13:23:11

Input Set : A:\NIH047.1CP1C1.TXT

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								Ser									
211	380				_	385			_		390					395	
J13	ctg	ctg	cct	gga	gag	gcc	aca	cgg	gac	CCC	ccg	сса	ccc	acc	agg	gcc	1671
214	Leu	Leu	Pro	Gly	Glu	Ala	Thr	Arg	Asp	Pro	Pro	Pro	Pro	Thr	Arg	Ala	
215					400					405					410		
217	acc	act	gtg	gtc	aac	ttc	ttt	gtc	aca	gac	tct	gtg	gag	cct	gag	ata	1719
218	Thr	Thr	Val	Val	Asn	Phe	Phe	Val	Thr	Asp	Ser	Val	Glu	Pro	Glu	Ile	
19ء				415					420					425			
221	cgg	ccg	cat	сса	ctc	agt	tcc	ccc	gtg	aac	tgad	ccag	gtc a	aaga	gctg	gc	1769
222	Arg	Pro	His	Pro	Leu	Ser	Ser	Pro	Val	Asn							
223			430					435									
225	catt	tggag	ggc (cacat	tcc	eg ga	aget	ctcag	g cc	cacto	ctcc	ctga	agact	tag (gaggt	tggtag	1829
226	gtct	teet	gag a	agtgt	igat	ga at	ttgad	ggtai	ct ct	caget	tagc	cca	tctt	ctg o	etgea	agctcc	1889
				ggtag		ga ca	acat										1914
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	Pro	Gly	Pro		Pro	Ala	Pro	Gly		Ser	Gly	Trp	Val		Ala	Ala	
238				20			_		25				_	30	_		
	Leu	Cys		Val	He	Val	Leu	Thr	Ala	Ala	Ala	Asn		Leu	Leu	Ile	
240		.	35	47	m 1	a1	D	40	17 - 1			m la an	45		Dl	nh -	
	val	Leu 50	rre	Cys	THE	GIII	55 55	Ala	Val	Arg	ASII	60	ser	ASII	Pne	Pne	
242	Lou		Cor	T OU	Dho	Thr		\an	Lou	Mot	Wal		Lou	Wa 1	Val	Mot	
244		vaı	Set	ьец	PHE	70	ser	Asp	ьеи	мес	75	GIY	ьeu	vaı	val	80	
		Dro	Δla	MΔt	T.011		Δla	Leu	Tur	Clv		Trn	Val	Τ.Δ11	Δla		
246	110	110	mu	ricc	85	11511	mu	пси	1 1 1	90	1119	111	Vul	пса	95	111 9	
	Glv	Len	Cvs	Leu		Trp	Thr	Ala	Phe		Va l	Met	Cvs	Cvs	-	Ala	
248	OI 1	10.7	O ₁ B	100	200	r			105	1.0F	, 41		010	110	001		
	Ser	Ile	Leu		Leu	Cvs	Leu	Ile	Ser	Leu	Asp	Arq	Tvr	Leu	Leu	Ile	
250			115			•		120			-	_	125				
251	Leu	Ser	Pro	Leu	Arg	Tyr	Lys	Leu	Arq	Met	Thr	Ala	Pro	Arq	Ala	Leu	
252		130			-	-	135		_			140		-			
253	Ala	Leu	Ile	Leu	Gly	Ala	Trp	Ser	Leu	Ala	Ala	Leu	Ala	Ser	Phe	Leu	
254	145					150					155					160	
255	Pro	Leu	Leu	Leu	Gly	Trp	His	Glu	Leu	Gly	Lys	Ala	Arg	Thr	Pro	Ala	
256					165					170					175		
	Pro	Gly	Gln	Cys	Arg	Leu	Leu	Ala	Ser	Leu	Pro	Phe	Val	Leu	Val	Ala	
258				180					185					190			
	Ser	Gly		Thr	Phe	Phe	Leu	Pro	Ser	Gly	Ala	Ile		Phe	Thr	Tyr	
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Input Set : A:\NIH047.1CP1C1.TXT

Output Set: N:\CRF3\10262001\1829631A.raw

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264 225
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265 Arg Thr Pro Arg Pro Gly Met Glu Ser Ala Asp Ser Arg Arg Leu Ala
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267 Thr Lys His Ser Arg Lys Ala Leu Lys Ala Ser Leu Thr Leu Gly Ile
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268
                260
269 Leu Leu Gly Met Phe Phe Val Thr Trp Leu Pro Phe Phe Val Ala Asn
    275
                                280
271 Ile Ala Gln Ala Val Cys Asp Cys Ile Ser Pro Gly Leu Phe Asp Val
        290
                           295
                                               300
273 Leu Thr Trp Leu Gly Tyr Cys Asn Ser Thr Met Asn Pro Ile Ile Tyr
                       310
                                            315
275 Pro Leu Phe Met Arg Asp Phe Lys Arg Ala Leu Gly Arg Phe Leu His
276
                    325
                                        330
277 Ala Ser Thr Val Pro Arg Ser Thr Gly Gln Pro Cys Leu Pro Leu His
278
                340
                                    345
279 Val Asp Leu Ser Gln Arg Cys Gln Thr Arg Pro Gln Leu Gln Gln Val
          355
                                                    365
                                360
181 Leu Ala Leu Pro Leu Pro Pro Asn Ser Asp Ser Asp Ser Ala Ser Gly
                            375
                                                380
283 Gly Thr Ser Gly Leu Gln Leu Thr Ala Gln Leu Leu Leu Pro Gly Glu
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                        390
285 Ala Thr Arg Asp Pro Pro Pro Pro Thr Arg Ala Thr Thr Val Val Asn
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311 ctaqccagga accccaccc catcttatgg catccccggt ggccctattc catcccaggg 180
312 eteteateca geoccaaget aacttteatt gaetegteae ateagtacee etececaaae 240
313 ttettaceeg agtacteeag gtggeeetge gtaggaggea eeectacaac teeteeegat 300
314 ctcttqaaat cgctgctcga tgacctaaga accccgtttt gccaatacta ctctaaggtg 360
315 caretteett teteeteett tgeetteace etgtacetge agteaceata teeegtettg 420
316 gtootcaace cagtoocc atg gtt eca gag coa gge cot gte aac agt age
317
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VERIFICATION SUMMARY

DATE: 10/26/2001

PATENT APPLICATION: US/09/829,631A

TIME: 13:23:12

Input Set : A:\NIH047.1CP1C1.TXT

Output Set: N:\CRF3\10262001\I829631A.raw

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